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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/722,547	11/28/2003	Hoi-Sing Kwok	016660-189	8365	
21839	21839 7590 07/17/2006			EXAMINER	
BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404			CALEY, MICHAEL H		
			ART UNIT	PAPER NUMBER	
			2871		

DATE MAILED: 07/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/722,547	KWOK ET AL.				
Office Action Summary	Examiner	Art Unit				
	Michael H. Caley	2871				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from to cause the application to become ABANDONED	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).				
Status						
Responsive to communication(s) filed on <u>05 Ap</u> This action is FINAL . 2b) ☑ This Since this application is in condition for allowant closed in accordance with the practice under Expensive to communication(s) filed on <u>05 Ap</u> This action is FINAL . 2b) ☑ This application is in condition for allowant closed in accordance with the practice under Expensive to communication(s) filed on <u>05 Ap</u> This action is FINAL . 2b) ☑ This action is in condition for allowant closed in accordance with the practice under Expensive to communication(s) filed on <u>05 Ap</u>	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
 4) Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) 1,2,4 and 6-14 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 3,5,15 and 16 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
 9) ☐ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on 28 November 2003 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:					

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Art Unit: 2871

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3, 5, 15, and 16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 3, it is unclear whether the input and output polarizer angles, α and γ , refer to the orientation of the transmissive axis or the absorptive axis of the polarizer. Further, it is unclear whether the input polarizer is oriented at the proposed angle in a direction clockwise or counter-clockwise to the input director of the liquid crystal cell. Item (b) of claim 3 further appears to be inconsistent with the elected embodiment. The twist angle ϕ is specified as at 75 degrees. Item (b) of claim 3 specifies output polarizer angle γ as at an angle of –30 degrees (45 degrees minus 75 degrees), which is inconsistent with the elected embodiment output polarizer angle specification of 30 degrees (See specification, first preferred embodiment, page 8). It is unclear to the examiner whether the inconsistencies are due typographical error, or if the degree ranges are intended to be indicated as an absolute value, either clockwise or counter-clockwise from the reference angle.

Regarding claims 5, 15, and 16, it is unclear whether the input and output polarizer angles, α and γ , refer to the orientation of the transmissive axis or the absorptive axis of the polarizer. Further, it is unclear whether the input polarizer is oriented at the proposed angle in a direction clockwise or counter-clockwise to the input director of the liquid crystal cell.

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The specification fails to provide sufficient guidance to the examiner to resolve the new questions raised. Examination on the merits is possible only after these questions are resolved.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael H. Caley whose telephone number is (571) 272-2286. The examiner can normally be reached on M-F 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael H. Caley July 10, 2006

mhc

ANDREW SCHECHTER
PRIMARY EXAMINER